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**To-Do List Program in Python**

**Purpose**

The **purpose** of this program is to help you **manage your daily tasks**.  
With this program, you can:

1. **View all tasks**
2. **Add a new task**
3. **Delete a task**
4. **Exit the program**

**Theory of To-Do List Program in Python**

**Introduction**

A **To-Do List program** is a simple application that helps users **add, view, and delete tasks**.  
It is one of the most common beginner projects in Python because it teaches the use of **loops, conditions, lists, and functions**.

**Working**

1. **Tasks Storage**
   * A list is used to store all tasks.  
     Example: tasks = []
2. **Menu System**
   * A menu with options is displayed again and again using while True.
   * The user chooses from 1 to 4.
3. **Add Task**
   * If the user chooses option 2, the program asks for a new task and saves it into the list using .append().
4. **View Tasks**
   * If the user chooses option 1, all tasks are displayed using a loop (for).
   * If the list is empty, it shows "No tasks yet".
5. **Delete Task**
   * If the user chooses option 3, they enter the task number.
   * The task is removed using .pop().
6. **Exit**
   * If the user chooses option 4, the program prints "Goodbye" and stops using break.

**Key Python Concepts Used**

* **List** → to store multiple tasks.
* **Loop (while True)** → to keep the program running until exit.
* **Condition (if-elif-else)** → to check user choice.
* **Functions like append() and pop()** → to add and remove tasks.
* **Break** → to stop the infinite loop.

**Conclusion**

The To-Do List program is a **practical example** of how Python can be used for daily life applications.  
It helps beginners understand **input/output, lists, loops, and conditions** in Python.  
This program can also be improved by saving tasks to a file or adding deadlines.







